Docket Number: 600-1-192N2

REMARKS

The reply filed on 5/17/02 was held not to be fully responsive to the prior Office Action because the specification was not amended on page 89 to include the sequence identifiers.

Accordingly, the specification is amended above to insert the required sequence identifiers. No new matter is added by this amendment.

Conclusion

From the foregoing, further and favorable action in the form of a Notice of Allowance is believed to be next in order, and such action is earnestly solicited.

In the event that there are any questions concerning this Amendment, or the application in general, the Examiner is respectfully urged to telephone the undersigned so that prosecution of the application may be expedited.

Respectfully submitted,

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Date: 5 August 2002

MARKED UP VERSION SHOWING CHANGES MADE

Generation of Ru49 loss-of-function mice. The *Ru49* genomic locus was mapped using four lambda phage clones and four BAC clones derived from 129 SvE strain of mice. The Targeting vector contained a 3.7 kb 5' arm and a 6 kb 3' arm in a pKSNT vector [Tybulewicz *et al., Cell* **65:**1153-1163 (1991)]. ES cell selections were performed at The Rockefeller University Gene Targeting Facility. Initial typing was done by Southern blot using a 500 bp pair probe from the 5' region (Fig. 13*a*) yielding a 15kb wildtype allele and 11.5 targeted allele upon digestion with *Bam*HI. Subsequent typing was done using PCR primers internal to the *neo* gene and a second pair within the disrupted region (5' primer: 5'-AAAGTCCTGCTGGCTCGGGAATC-3' (SEQ ID NO:1) and 3'primer: 5'-GCCTCCTCTGCATTTCAGGG-3') (SEQ ID NO:2).

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